



SEQUENCE LISTING

<110> OLSSON, Lennart
NARANDA, Tatjana

<120> RECEPTOR DERIVED PEPTIDES AS MODULATORS
OF RECEPTOR ACTIVITY

<130> 213542000101

<140> 09/991,548

<141> 2001-11-20

<150> 09/028,937

<151> 1998-02-24

<150> 08/788,820

<151> 1997-01-23

<150> 08/701,382

<151> 1996-08-22

<150> 08/612,999

<151> 1996-03-08

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> MHC sequence

<400> 1

Glu Arg Glu Thr Gln Ile Ala Lys Gly Asn Glu Gln Ser Phe Arg Val
1 5 10 15

Asp Leu Arg Thr Leu Leu Arg
20

<210> 2

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> human glucose transporter

<400> 2
Thr Trp Leu Gly Arg Gln Gly Pro Glu Gly Pro Ser Ser Ile Pro Pro
1 5 10 15
Gly Thr Leu Thr Thr Leu Trp
20

<210> 3
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> human insulin receptor

<400> 3
Lys Thr Asp Ser Gln Ile Leu Lys Glu Leu Glu Glu Ser Ser Phe Arg
1 5 10 15
Lys Thr Phe Glu Asp Tyr Leu His
20

<210> 4
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> human LDL receptor

<400> 4
Glu Ala Glu Ala Ala Val Ala Thr Gln Glu Thr Ser Thr Val Arg Leu
1 5 10 15
Lys Val Ser Ser Thr Ala Val Arg Thr
20 25

<210> 5
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> human insulin like growth factor receptor

<400> 5
Lys Thr Glu Ala Glu Lys Gln Ala Glu Lys Glu Glu Ala Glu Tyr Arg
1 5 10 15
Lys Val Phe Glu Asn Phe Leu His
20

<210> 6
<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> human leptin receptor

<400> 6

Lys	Lys	Glu	Asn	Lys	Ile	Val	Pro	Ser	Lys	Glu	Ile	Val	Trp	Trp	Met
1				5					10				15		
Asn	Leu	Ala	Glu	Lys	Ile	Pro									
				20											

<210> 7

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> human GCSF receptor

<400> 7

Glu	Lys	Lys	Pro	Val	Pro	Trp	Glu	Ser	His	Asn	Ser	Ser	Glu	Thr	Cys
1				5					10				15		
Gly	Leu	Pro	Thr	Leu	Val	Gln	Thr	Tyr							
				20			25								

<210> 8

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> human epidermal growth factor receptor

<400> 8

Gly	Pro	His	Cys	Val	Lys	Thr	Cys	Pro	Ala	Gly	Val	Met	Gly	Glu	Asn
1				5				10				15			
Asn	Thr	Leu	Val	Trp	Lys	Tyr									
				20											

<210> 9

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> human growth factor receptor

<400> 9

Glu Tyr Glu Leu Gln Tyr Lys Glu Val Asn Glu Thr Lys Trp Lys Met
1 5 10 15
Met Asp Pro Ile Leu Thr Thr Ser Val Pro Val Tyr
20 25

<210> 10
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> human thrombopoietin receptor

<400> 10
Ala Arg Gly Gly Thr Leu Glu Leu Arg Pro Arg Ser Arg Tyr Arg Leu
1 5 10 15
Gln Leu Arg Ala Arg Leu Asn
20

<210> 11
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> human erythropoietin receptor

<400> 11
Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser Asn
1 5 10 15
Leu Arg Gly Arg Thr Arg Tyr
20

<210> 12
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<220>
<223> interleukin-2 receptor alpha chain

<400> 12
Glu Met Gln Ser Pro Met Gln Pro Val Asp Gln Ala Ser Leu Pro Gly
1 5 10 15
His Cys Arg Glu Pro Pro Pro Trp
20

<210> 13
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> IL-2 receptor beta chain

<400> 13

Asp Pro Asp Glu Gly Val Ala Gly Ala Pro Thr Gly Ser Ser Pro Gln
1 5 10 15
Pro Leu Gln Pro Leu
20

<210> 14

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-3 receptor

<400> 14

Gln Glu Glu Gly Ala Asn Thr Arg Ala Trp Arg Thr Ser Leu Leu Ile
1 5 10 15
Ala Leu Gly Thr Leu Leu
20

<210> 15

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-4 receptor

<400> 15

Glu Pro Ser Leu Arg Ile Ala Ala Ser Thr Leu Lys Ser Gln Ile Ser
1 5 10 15
Tyr Arg Ala Arg Val Arg Ala Trp Ala Gln Cys Tyr
20 25

<210> 16

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-5 receptor

<400> 16

Asp Tyr Glu Thr Arg Ile Thr Glu Ser Lys Cys Val Thr Ile Leu His
1 5 10 15
Lys Gly Phe Ser Ala Ser Val Arg Thr Ile Leu Gln
20 25

<210> 17

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-6 receptor

<400> 17

Pro Ala Gln Glu Val Ala Arg Gly Val Leu Thr Ser Leu Pro Gly Asp

1 5 10 15

Ser Val Thr Leu

20

<210> 18

<211> 26

<212> PRT

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<220>

<223> interleukin-7

<400> 18

Gly Lys Ser Asn Ile Cys Val Lys Val Gly Glu Lys Ser Leu Thr Cys

1 5 10 15

Lys Lys Ile Asp Leu Thr Thr Ile Val Lys

20 25

<210> 19

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-8 receptor-B

<400> 19

Glu Asp Met Gly Asn Asn Thr Ala Asn Trp Arg Met Leu Leu Arg Ile

1 5 10 15

Leu Pro Gln Ser Phe

20

<210> 20

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> interleukin-8 receptor-A

<400> 20

Glu Val Leu Gly Asn Asp Thr Ala Lys Trp Arg Met Val Leu Arg Ile

1 5 10 15

Leu Pro His Thr Phe
20

<210> 21
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-9 receptor

<400> 21
Glu Leu Asp Pro Gly Phe Ile His Glu Ala Arg Leu Arg Val Gln Met
1 5 10 15
Ala Thr Leu

<210> 22
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-11

<400> 22
Glu Val Ile Thr Asp Ala Val Ala Gly Leu Pro His Ala Val Arg Val
1 5 10 15
Ser Ala Arg Asp Phe Leu
20

<210> 23
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-12

<400> 23
Glu Gln Pro Thr Gln Leu Glu Leu Pro Glu Gly Cys Gln Gly Leu Ala
1 5 10 15
Pro Gly Thr Glu Val Thr Tyr Arg Leu Gln Leu His Met Leu
20 25 30

<210> 24
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-13

<400> 24
Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu Ser Lys Lys
1 5 10 15
Thr Leu Leu Arg Phe Trp
20

<210> 25
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-13

<400> 25
Lys Gln Asp Lys Lys Ile Ala Pro Glu Thr Arg Arg Ser Ile Glu Val
1 5 10 15
Pro Leu Asn Glu Arg Ile
20

<210> 26
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> interleukin-17

<400> 26
~~Asp Pro Asn Ile Thr Val Glu Thr Leu Glu Ala His Gln Leu Arg Val~~
1 5 10 15
Ser Phe Thr Leu Trp Asn Glu Ser Thr His Tyr Gln Ile Leu Leu Thr
20 25 30
Ser Phe

<210> 27
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> human platelet derived growth factor receptor

<400> 27
Glu Ile Thr Thr Asp Val Glu Lys Ile Gln Glu Ile Arg Tyr Arg Ser
1 5 10 15
Lys Leu Lys Leu Ile
20

<210> 28

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> human vascular endothelial growth factor receptor

<400> 28

Glu Ala Arg Cys Asp Phe Cys Ser Asn Asn Glu Glu Ser Phe Ile Leu
1 5 10 15

Asp Ala Asp Ser Asn Met

20

<210> 29

<211> 22

<212> PRT

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<220>

<223> human ciliary neurotrophic factor receptor-alpha

<400> 29

Thr Trp Gln Thr Pro Ser Thr Trp Pro Asp Pro Glu Ser Phe Pro Leu
1 5 10 15

Lys Phe Phe Leu Arg Tyr

20

<210> 30

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> T-cell receptor alpha chain

<400> 30

Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile
1 5 10 15

Thr Asp Lys Thr Val Leu

20

<210> 31

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> T-cell receptor beta chain

<400> 31

Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala
1 5 10 15

Glu Ala Trp Gly Arg Ala Asp Cys
20

<210> 32
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> T-cell receptor gamma chain

<400> 32
Ser Gln Glu Gly Asn Thr Met Lys Thr Asn Asp Thr Tyr Met Lys Phe
1 5 10 15
Ser Trp Leu Thr Val Pro Glu Glu Ser Leu Asp Lys Glu His Arg Cys
20 25 30
Ile Val Arg His
35

<210> 33
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> T-cell receptor delta chain

<400> 33
Val His Thr Glu Lys Val Asn Met Met Ser Leu Thr Val Leu Gly Leu
1 5 10 15
Arg Met Leu Phe
20

<210> 34
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> human transferrin receptor

<400> 34
Glu Lys Thr Asp Arg Phe Val Met Lys Lys Leu Asn Asp Arg Val Met
1 5 10 15
Arg Val Glu Tyr His Phe Leu Ser Pro Tyr
20 25

<210> 35
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> human prolactin receptor

<400> 35

Glu	Trp	Glu	Ile	His	Phe	Ala	Gly	Gln	Gln	Thr	Glu	Phe	Lys	Ile	Leu
1															15
Ser	Leu	His	Pro	Gly	Gln	Lys	Tyr	Leu							
									20					25	

<210> 36

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated form of insulin receptor

<400> 36

Pro	Lys	Thr	Asp	Ser	Gln	Ile	Leu	Lys	Glu	Leu	Glu	Glu	Ser	Ser	Phe
1															15
Arg	Lys	Thr	Phe	Glu	Asp	Tyr	Leu	His	Asn	Val					
									20				25		

<210> 37

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> DC-A85

<400> 37

Gly	Asn	Glu	Gln	Ser	Phe	Arg	Val	Asp	Leu	Arg	Thr	Leu	Leu	Arg	Tyr
1															15
Ala	Gly	Gly	Gly	Asn	Glu	Gln	Ser	Phe	Arg	Val	Asp	Leu	Arg	Thr	Leu
														30	
Leu	Arg	Tyr	Ala												
			35												

<210> 38

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> rat melatonin receptor type 1B

<400> 38

Ala	Arg	Arg	Lys	Ala	Lys	Ala	Glu	Arg	Lys	Leu	Arg	Leu	Arg	Pro	Ser
1															15
Asp	Leu	Arg	Ser	Phe	Leu	Thr	Met	Phe							
									20				25		

<210> 39
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> human secretin receptor

<400> 39
Lys Leu Arg Thr Gln Glu Thr Arg Gly Asn Glu Val Ser His Tyr Lys
1 5 10 15
Arg Leu Ala Arg Ser Thr Leu Leu Leu Ile Pro
20 25

<210> 40
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<212> PRT
<213> Artificial Sequence

<220>
<223> Xenopus neuropeptide Y receptor type 1

<400> 40
Gly Lys Tyr Val Cys Leu Glu Asp Phe Pro Glu Asp Lys Arg Phe Leu
1 5 10 15
Ser Tyr Thr Thr Leu Leu Phe Ile Leu
20 25

<210> 41
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<220>
<223> rat platelet activating factor receptor

<400> 41
Ser Phe Arg Val Asp Ser Glu Phe Arg Tyr Thr
1 5 10

<210> 42
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> human Burkitt's lymphoma receptor

<400> 42
Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Phe Arg Ser
1 5 10 15

Asp Leu Ser Arg Leu Leu Thr Lys Leu
20 25

<210> 43
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> mouse Burkitt's lymphoma receptor

<400> 43
Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Arg Phe Ser
1 5 10 15
Asp Leu Ser Arg Leu Leu Thr Lys Leu
20 25

<210> 44
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> rat Burkitt's lymphoma receptor

<400> 44
Cys Leu Asn Pro Met Leu Tyr Thr Phe Ala Gly Val Lys Arg Phe Ser
1 5 10 15
Asp Leu Ser Arg Leu Leu Thr Lys Leu
20 25
